

DECLARATION AND POWER OF ATTORNEY
(Joint Inventors - Foreign)

We, Dean McArthur and Jim Reilly hereby declare that we are, respectively,
a citizen of Canada, residing at 4172 Bianca Forest Drive, Burlington, Ontario, CANADA L7M 4L4;
a citizen of Canada, residing at 77 Mountain Avenue, Hamilton, Ontario, CANADA L8P 4G3;
that we have reviewed and understand the content of the specification, including the claims, (Jones, Day, Reavis & Pogue Docket No. 555255012079).

attached hereto;

and we believe that we are the original, first, and joint inventors of the subject matter which is claimed therein and for which a patent is sought on the invention or discovery entitled

SIGNAL ENHANCEMENT FOR VOICE CODING

and that we acknowledge our duty to disclose information of which we are aware which is material to the examination of this application, in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

We hereby designate the following as our mailing address and telephone number:

David B. Cochran, Esq.
Jones, Day, Reavis & Pogue
North Point
901 Lakeside Avenue
Cleveland, Ohio 44114
(216) 586-3939

and appoint each of the following as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Kenneth R. Adamo, Registration No. 27,299; Barbara Arndt, Registration No. 37,768;
David B. Cochran, Registration No. 39,142; Cheryl L. Farine, Registration No. 36,796;
Regan J. Fay, Registration No. 26,878; F. Drexel Feeling; Registration No. 40,602;
Calvin P. Griffith, Registration No. 34,831; Paul V. Keller, Registration No. 42,713;
Timothy J. O'Hearn, Registration No. 31,552; Stephen D. Scanlon, Registration No. 32,755; Jenny L. Sheaffer, Registration No. P-45,099; H. Duane Switzer, Registration

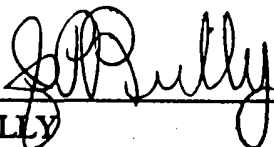
No. 22,431; Michael W. Vary, Registration No. 30,811; and James L. Wamsley, III,
Registration No. 31,578;

all having the above designated address; Charles B. Meyer, Research In Motion Limited,
Registration No. 33,563, 25227 Grogan's Mill Road, Suite 125, The Woodlands, Texas 77380;
and Krishna Pathiyal, Registration No. 44,435, Research In Motion Limited, 295 Phillip Street,
Waterloo, Ontario, CANADA N2L 3W8.

We further declare that all statements made herein of our own knowledge are true and that
all statements made on information and belief are believed to be true; and further that these
statements were made with the knowledge that willful false statements and the like so made are
punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States
Code, and that such willful false statements may jeopardize the validity of the application or any
patent issuing thereon.

Date _____
DEAN McARTHUR

Post Office Address: 4172 Bianca Forest Drive
Burlington, Ontario L7M 4L4
CANADA



Date Nov 19 1999
JIM REILLY

Post Office Address: 77 Mountain Avenue
Hamilton, Ontario L8P 4G3
CANADA

DECLARATION AND POWER OF ATTORNEY
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No. 22,431; Michael W. Vary, Registration No. 30,811; and James L. Wamsley, III,
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Code, and that such willful false statements may jeopardize the validity of the application or any
patent issuing thereon.


DEAN McARTHUR

Date December 23, 1993

Post Office Address: 4172 Bianca Forest Drive
Burlington, Ontario L7M 4L4
CANADA

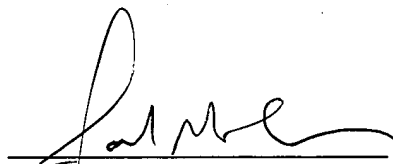

JIM REILLY

Date _____

Post Office Address: 77 Mountain Avenue
Hamilton, Ontario L8P 4G3
CANADA

37 CFR 3.73(b) STATEMENT

Attached is a copy of the Assignment of the previous application showing the chain of title from the inventor(s) to the assignee.

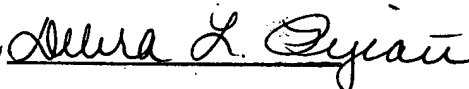


Joseph M. Sauer
Registration No. 47,919
Attorney for Assignee

"Express Mail" Mailing Label No. EV 243776921 US

Date of Deposit July 16, 2003

I hereby certify that this paper or fees ~~is~~
being deposited with the United States Postal
Service "Express Mail Post Office to Addressee"
service under 37 CFR 1.10 on the date indicated
above and is addressed to: Commissioner for
Patents, P.O. Box 1450, Alexandria, VA
22313-1450

By 



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 08, 2000

PTAS

JONES, DAY, REAVIS & POGUE
DAVID B. COCHRAN, ESQUIRE
NORTH POINT
901 LAKESIDE AVENUE
CLEVELAND, OH 44114



101222264A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/01/1999

REEL/FRAME: 010431/0784
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MCARTHUR, DEAN

DOC DATE: 11/23/1999

ASSIGNOR:
REILLY, JIM

DOC DATE: 11/19/1999

ASSIGNEE:
RESEARCH IN MOTION LIMITED
295 PHILLIP STREET
WATERLOO, ONTARIO, CANADA N2L 3W8

SERIAL NUMBER: 09452623
PATENT NUMBER:

FILING DATE: 12/01/1999
ISSUE DATE:

SONYA JOHNSON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

JDRP

MAR 15 2000

RECEIVED

555255-012-079

Tab s tings 000 ▼

101222264

To the Honorable Commissioner of Patents and Trademarks, Patent and Trademark Office, Washington, D.C. 20530 original documents or copy thereof.

1. Name of conveying party(ies):

Dean McArthur
Jim ReillyAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Research In Motion Limited

Internal Address: _____

Street Address: 295 Phillip Street
Waterloo, Ontario, CANADA N2L 3W

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: 11/19/99; 11/23/99

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 11/19/99
11/23/99

A. Patent Application No.(s)

B. Patent No.(s)

09/452623

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David B. Cochran, Esq.Jones, Day, Reavis & Pogue

Internal Address: _____

Street Address: North Point901 Lakeside AvenueCity: Cleveland State: OH ZIP: 441146. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

10-1202[for any deficiency in fees]
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Deborah A. Satoran

Name of Person Signing

Deborah A. Satoran

Signature

11/30/99

Date

Total number of pages including cover sheet, attachments, and document: 7Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 202312/13/1999
3 FC:36.

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

SIGNAL ENHANCEMENT FOR VOICE CODING

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signatures of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 555255012079.

WHEREAS, RESEARCH IN MOTION LIMITED, a corporation of CANADA, having a place of business at 295 Phillip Street, Waterloo, Ontario, CANADA N2L 3W8, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Jones, Day, Reavis & Pogue the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: November 23, 1999

Dean McArthur
Dean McArthur
4172 Bianca Forest Drive
Burlington, Ontario L7M 4L4
CANADA

STATEMENT BY WITNESS

I, VYTAŠ KEZYS, whose full Post Office address is
(Name of Witness)

24 HACKNEY CRT., ANCASTER ON., CANADA
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Nov 23/99

Vytaš Kezys
(Signature of Witness)

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: _____

Jim Reilly
77 Mountain Avenue
Hamilton, Ontario L8P 4G3
CANADA

STATEMENT BY WITNESS

I, _____, whose full Post Office address is
(Name of Witness)

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: _____

(Signature of Witness)

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The undersigned hereby grants the firm of Jones, Day, Reavis & Pogue the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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Date: _____

Dean McArthur
4172 Bianca Forest Drive
Burlington, Ontario L7M 4L4
CANADA

STATEMENT BY WITNESS

I, _____, whose full Post Office address is
(Name of Witness)

(Address of Witness)

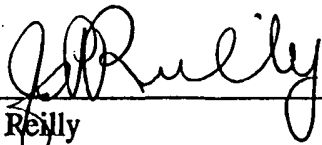
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Date: _____


(Signature of Witness)

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: Nov 19 1999


Jim Reilly
77 Mountain Avenue
Hamilton, Ontario L8P 4G3
CANADA

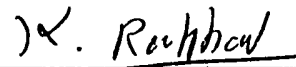
STATEMENT BY WITNESS

I, , whose full Post Office address is
(Name of Witness)

26 Norfolk Rms. 285 3A5 Hamilton
(Address of Witness)

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Date: NOV. 19, 1999


(Signature of Witness)